

## ECUACIONES DE PRIMER GRADO

## FICHA 1

Resuelve las siguientes ecuaciones:

a)  $x + 4 = 7$

b)  $x - 8 = 3$

c)  $5 \cdot x = -15$

d)  $3x - 2 = 5$

e)  $2x + 3 = 9$

f)  $5x + 4 = 4x + 7$

g)  $3x + 3 = 2x$

h)  $2x - 1 = 2x + 5$

i)  $6 + 5t = 7t - 3$

j)  $x + 8 = 2(x + 4)$

k)  $3(x + 3) = x - 5$

l)  $\frac{x}{2} - \frac{x}{3} = 4$

## SOLUCIONES

$$\text{a) } x = 7 - 4 \Rightarrow x = 3$$

$$\text{b) } x = 3 + 8 \Rightarrow x = 11$$

$$\text{c) } x = \frac{-15}{5} \Rightarrow x = -3$$

$$\begin{aligned} 3x &= 5 + 2 \Rightarrow 3x = 7 \\ \text{d) } \Rightarrow x &= \frac{7}{3} \end{aligned}$$

$$\begin{aligned} 2x &= 9 - 3 \Rightarrow 2x = 6 \\ \text{e) } \Rightarrow x &= \frac{6}{2} \Rightarrow x = 3 \end{aligned}$$

$$\text{f) } 5x - 4x = 7 - 4 \Rightarrow x = 3$$

$$\text{g) } 3x - 2x = -3 \Rightarrow x = -3$$

$$\begin{aligned} \text{h) } 2x - 2x &= 5 + 1 \Rightarrow 0x = 6 \\ &\text{No tiene solución} \end{aligned}$$

$$\begin{aligned} 5t - 7t &= -3 - 6 \Rightarrow -2t = -9 \\ \text{i) } \Rightarrow t &= \frac{-9}{-2} \Rightarrow t = \frac{9}{2} \end{aligned}$$

$$\begin{aligned} \text{j) } x + 8 &= 2x + 8 \Rightarrow x - 2x = 8 - 8 \\ &\Rightarrow -x = 0 \Rightarrow x = 0 \end{aligned}$$

$$\begin{aligned} \text{k) } 3x + 9 &= x + 5 \Rightarrow 3x - x = 5 - 9 \\ &\Rightarrow 2x = -4 \Rightarrow x = -2 \end{aligned}$$

$$\begin{aligned} \text{l) } \frac{3x}{6} - \frac{2x}{6} &= \frac{24}{6} \Rightarrow 3x - 2x = 24 \\ &\Rightarrow x = 24 \end{aligned}$$